

# Product Specifications

## 1. Product Overview

- 1.1 Product Name: JGDSD Servo Drive
- 1.2 Product Model: JGDSD-02D24-N124-J30- RU
- 1.3 Product Description:

The JGDSD series servo drives are designed for low temperature, vibration and shock tolerance scenarios, featuring DSP chips and high-quality IGBT power modules. They offer high integration, reliability, and support for wide temperature and high-altitude operation.

- Rated power 200W
- 3 times overload capacity
- Multiple control modes: position/speed/torque control
- Comprehensive protection mechanisms
- Operating temperature: -40°C to +85°C
- Supports RS232, RS485, CAN open communication

## 2. Technical Parameters

### 2.1 Parameter Table

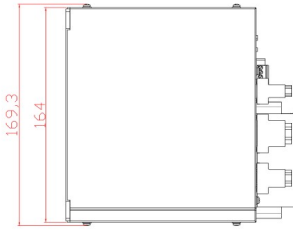
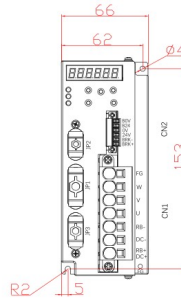
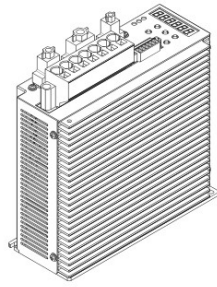
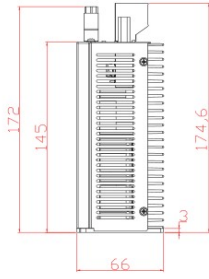
Items		Specification	
<b>Basic Specification</b>	Control	Three-phase full wave rectifier IGBT SVPWM mode	
	Operation conditions	Operation Temperature	-40°C~+85°C
		Storage Temperature	-50°C~+85°C
		Humidity	<85% [No frost]
		Vibration resistance	≤2.5G
	Structure	Wall mounted box type	
Cooling Type	Natural cooling /Fan cooling		
<b>Parameters</b>	Input Voltage	DC 24v	
	Rated Power	200W	
	Rated Current	15A	
	Peak Current	45A	
	Supported Encoder	Resolver, Multi-Turn Absolute (BISS, Tamagawa), Incremental	
	Monitoring Output	14 Real-time Data Monitoring Items (Speed/Current/Position Deviation, etc.)	
<b>Functions</b>	Protection Functions	Overcurrent, Overload, Overheating, Overspeed, Overvoltage, Undervoltage, Control Power Abnormal:	
	Communication	RS232/RS485/CAN/CANopen	
	Regeneration	Built-in Regeneration Resistor	

### 2.2 Interface Information Table

Type	Interface ID	Cores Qty.	Interface Definition	Remarks
Main Power	CN1	7	Main Power in & Power to Motor	DC+/DC-/RB-/U/V/W/FG
Control Power	CN3	6	Control Power in and Brake Power out	0v/24v/BRK+/BRK-/B24/B0
I/O Interface	JP1	25	I/O connector	Connector type: J30J-25ZKWP7
Communication	JP2	9	CAN/RS232/RS232	Connector type: J30J-9ZKWP7
Encoder Interface	JP3	15	Encoder connector	Connector type: J30J-15ZKWP7

## 3. Overall Dimensions

### 3.1 Dimension Drawing



### 3.2 Appearance Photos



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